



# Performance Data Sheet

## AGA5568WXT

### General Information

|                       |                          |                                 |              |
|-----------------------|--------------------------|---------------------------------|--------------|
| <b>Model</b>          | AGA5568WXT               | <b>Refrigerant</b>              | R-407C/R-22  |
| <b>Test Condition</b> | ARI (R407C)              | <b>Performance Test Voltage</b> | 230V 3~ 60HZ |
| <b>Return Gas</b>     | 18.3°C (65°F) RETURN GAS | <b>Motor Type</b>               | 3PH          |

### Performance Information

| Evap Temp (°F) | Condensing Temperature (°F) |       |       |       |       |       |       |       |
|----------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|
|                |                             | 80    | 90    | 100   | 110   | 120   | 130   | 140   |
| <b>-15</b>     | Btu/h                       | 10500 | 15300 |       |       |       |       |       |
|                | Watts                       | 3590  | 3020  |       |       |       |       |       |
|                | Amps                        | 11.3  | 10.0  |       |       |       |       |       |
|                | Lb/h                        | 586   | 543   |       |       |       |       |       |
| <b>-10</b>     | Btu/h                       | 11800 | 15900 | 18400 |       |       |       |       |
|                | Watts                       | 3780  | 3260  | 2920  |       |       |       |       |
|                | Amps                        | 11.7  | 10.5  | 9.74  |       |       |       |       |
|                | Lb/h                        | 514   | 470   | 439   |       |       |       |       |
| <b>-5</b>      | Btu/h                       | 14000 | 17400 | 19300 | 19500 |       |       |       |
|                | Watts                       | 3950  | 3490  | 3210  | 3000  |       |       |       |
|                | Amps                        | 12.1  | 11.0  | 10.4  | 9.87  |       |       |       |
|                | Lb/h                        | 471   | 426   | 395   | 367   |       |       |       |
| <b>0</b>       | Btu/h                       | 17100 | 19700 | 21000 | 20900 | 19100 |       |       |
|                | Watts                       | 4120  | 3700  | 3480  | 3350  | 3190  |       |       |
|                | Amps                        | 12.5  | 11.5  | 11.0  | 10.6  | 10.2  |       |       |
|                | Lb/h                        | 455   | 406   | 375   | 349   | 316   |       |       |
| <b>5</b>       | Btu/h                       | 21000 | 22800 | 23500 | 23000 | 21000 |       |       |
|                | Watts                       | 4280  | 3910  | 3740  | 3670  | 3590  |       |       |
|                | Amps                        | 12.9  | 12.0  | 11.6  | 11.4  | 11.1  |       |       |
|                | Lb/h                        | 461   | 410   | 378   | 354   | 324   |       |       |
| <b>10</b>      | Btu/h                       | 25700 | 26700 | 26800 | 25900 | 23600 | 19700 | 14100 |
|                | Watts                       | 4450  | 4100  | 3980  | 3970  | 3970  | 3850  | 3530  |
|                | Amps                        | 13.4  | 12.5  | 12.2  | 12.1  | 12.1  | 11.7  | 10.8  |
|                | Lb/h                        | 490   | 435   | 402   | 378   | 352   | 311   | 243   |
| <b>15</b>      | Btu/h                       | 31300 | 31400 | 30900 | 29400 | 26800 | 22900 | 17400 |
|                | Watts                       | 4620  | 4300  | 4210  | 4260  | 4320  | 4290  | 4060  |
|                | Amps                        | 13.9  | 13.0  | 12.8  | 12.9  | 13.0  | 12.8  | 12.1  |
|                | Lb/h                        | 537   | 478   | 444   | 421   | 397   | 361   | 300   |
| <b>20</b>      | Btu/h                       | 37600 | 36900 | 35600 | 33700 | 30800 | 26700 | 21300 |
|                | Watts                       | 4790  | 4490  | 4440  | 4530  | 4660  | 4700  | 4560  |
|                | Amps                        | 14.3  | 13.5  | 13.4  | 13.6  | 13.8  | 13.9  | 13.4  |
|                | Lb/h                        | 601   | 538   | 501   | 478   | 457   | 425   | 371   |

|    |       |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|-------|
| 25 | Btu/h | 44700 | 43100 | 41100 | 38600 | 35300 | 31100 | 25800 |
|    | Watts | 4980  | 4690  | 4670  | 4800  | 4980  | 5090  | 5030  |
|    | Amps  | 14.8  | 14.1  | 14.0  | 14.3  | 14.7  | 14.9  | 14.6  |
|    | Lb/h  | 680   | 612   | 572   | 549   | 529   | 501   | 453   |
| 30 | Btu/h | 52600 | 50000 | 47200 | 44200 | 40500 | 36100 | 30800 |
|    | Watts | 5180  | 4900  | 4900  | 5070  | 5290  | 5470  | 5480  |
|    | Amps  | 15.3  | 14.6  | 14.6  | 15.0  | 15.5  | 15.9  | 15.8  |
|    | Lb/h  | 770   | 697   | 654   | 630   | 611   | 587   | 544   |
| 35 | Btu/h | 61200 | 57600 | 54000 | 50400 | 46300 | 41700 | 36300 |
|    | Watts | 5410  | 5130  | 5140  | 5330  | 5600  | 5830  | 5910  |
|    | Amps  | 15.8  | 15.1  | 15.1  | 15.6  | 16.3  | 16.8  | 17.0  |
|    | Lb/h  | 871   | 792   | 745   | 719   | 701   | 680   | 642   |
| 40 | Btu/h | 70500 | 65800 | 61500 | 57100 | 52700 | 47800 | 42300 |
|    | Watts | 5650  | 5370  | 5390  | 5600  | 5900  | 6180  | 6330  |
|    | Amps  | 16.3  | 15.6  | 15.7  | 16.3  | 17.0  | 17.8  | 18.1  |
|    | Lb/h  | 979   | 894   | 843   | 815   | 797   | 778   | 745   |
| 45 | Btu/h | 80400 | 74700 | 69500 | 64500 | 59600 | 54400 | 48900 |
|    | Watts | 5930  | 5630  | 5650  | 5880  | 6210  | 6530  | 6730  |
|    | Amps  | 16.8  | 16.1  | 16.2  | 16.9  | 17.8  | 18.6  | 19.2  |
|    | Lb/h  | 1090  | 1000  | 944   | 914   | 896   | 879   | 850   |
| 50 | Btu/h | 91100 | 84300 | 78200 | 72500 | 67000 | 61600 | 55900 |
|    | Watts | 6230  | 5920  | 5930  | 6170  | 6520  | 6870  | 7130  |
|    | Amps  | 17.3  | 16.6  | 16.7  | 17.5  | 18.5  | 19.5  | 20.2  |
|    | Lb/h  | 1210  | 1110  | 1050  | 1010  | 996   | 980   | 955   |
| 55 | Btu/h |       | 94400 | 87400 | 81000 | 75000 | 69200 | 63300 |
|    | Watts | 6570  | 6230  | 6230  | 6470  | 6840  | 7220  | 7520  |
|    | Amps  | 17.8  | 17.1  | 17.2  | 18.0  | 19.1  | 20.3  | 21.2  |
|    | Lb/h  | 1330  | 1220  | 1150  | 1110  | 1090  | 1080  | 1060  |

| COEFFICIENTS | CAPACITY      | POWER         | CURRENT       | MASS FLOW     |
|--------------|---------------|---------------|---------------|---------------|
| C1           | -2.275530E+04 | 2.751167E+04  | 7.149873E+01  | 2.916296E+03  |
| C2           | 3.328384E+03  | 6.425498E+01  | 2.434438E-01  | 1.924727E+01  |
| C3           | 4.414957E+02  | -6.458586E+02 | -1.642843E+00 | -6.841250E+01 |
| C4           | 2.227349E+01  | 9.555556E-01  | 1.664354E-03  | 5.548415E-01  |
| C5           | -4.827897E+01 | -1.487378E+00 | -4.983386E-03 | -4.289387E-01 |
| C6           | 3.655830E+00  | 5.869335E+00  | 1.508149E-02  | 6.324723E-01  |
| C7           | -2.871455E-02 | 5.219923E-03  | -2.223296E-06 | -3.082427E-03 |
| C8           | -6.508588E-02 | -1.289953E-02 | -1.696036E-05 | -1.004313E-03 |
| C9           | 1.925567E-01  | 1.370923E-02  | 3.775398E-05  | 2.209010E-03  |
| C10          | -3.692370E-02 | -1.813649E-02 | -4.705942E-05 | -2.024530E-03 |

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature



# Performance Data Sheet

## AGA5568WXT

### General Information

|                |                          |                          |              |
|----------------|--------------------------|--------------------------|--------------|
| Model          | AGA5568WXT               | Refrigerant              | R-407C/R-22  |
| Test Condition | ASHRAE (R22)             | Performance Test Voltage | 230V 3~ 60HZ |
| Return Gas     | 18.3°C (65°F) RETURN GAS | Motor Type               | 3PH          |

### Performance Information

| Evap Temp (°F) | Condensing Temperature (°F) |       |       |       |       |       |       |       |
|----------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|
|                |                             | 80    | 90    | 100   | 110   | 120   | 130   | 140   |
| -15            | Btu/h                       | 22900 | 21900 |       |       |       |       |       |
|                | Watts                       | 3530  | 3400  |       |       |       |       |       |
|                | Amps                        | 10.6  | 10.0  |       |       |       |       |       |
|                | Lb/h                        | 313   | 289   |       |       |       |       |       |
| -10            | Btu/h                       | 24800 | 23300 | 21800 |       |       |       |       |
|                | Watts                       | 3660  | 3560  | 3470  |       |       |       |       |
|                | Amps                        | 11.2  | 10.7  | 10.3  |       |       |       |       |
|                | Lb/h                        | 335   | 310   | 285   |       |       |       |       |
| -5             | Btu/h                       | 27400 | 25500 | 23600 | 21700 |       |       |       |
|                | Watts                       | 3810  | 3740  | 3680  | 3610  |       |       |       |
|                | Amps                        | 11.7  | 11.4  | 11.0  | 10.7  |       |       |       |
|                | Lb/h                        | 366   | 339   | 313   | 287   |       |       |       |
| 0              | Btu/h                       | 30900 | 28600 | 26200 | 23900 | 21600 |       |       |
|                | Watts                       | 3960  | 3930  | 3900  | 3870  | 3840  |       |       |
|                | Amps                        | 12.2  | 12.0  | 11.8  | 11.6  | 11.4  |       |       |
|                | Lb/h                        | 407   | 379   | 351   | 323   | 296   |       |       |
| 5              | Btu/h                       | 35200 | 32400 | 29600 | 26900 | 24200 |       |       |
|                | Watts                       | 4120  | 4120  | 4130  | 4130  | 4140  |       |       |
|                | Amps                        | 12.7  | 12.6  | 12.5  | 12.4  | 12.3  |       |       |
|                | Lb/h                        | 456   | 427   | 398   | 369   | 340   |       |       |
| 10             | Btu/h                       | 40200 | 37100 | 33900 | 30700 | 27500 | 24400 | 21200 |
|                | Watts                       | 4290  | 4330  | 4370  | 4410  | 4440  | 4480  | 4520  |
|                | Amps                        | 13.2  | 13.2  | 13.2  | 13.3  | 13.3  | 13.3  | 13.3  |
|                | Lb/h                        | 514   | 484   | 454   | 424   | 394   | 364   | 334   |
| 15             | Btu/h                       | 46100 | 42500 | 38900 | 35300 | 31700 | 28100 | 24500 |
|                | Watts                       | 4470  | 4540  | 4610  | 4690  | 4760  | 4840  | 4910  |
|                | Amps                        | 13.7  | 13.8  | 13.9  | 14.1  | 14.2  | 14.4  | 14.5  |
|                | Lb/h                        | 581   | 550   | 519   | 488   | 457   | 426   | 395   |
| 20             | Btu/h                       | 52600 | 48600 | 44600 | 40700 | 36700 | 32700 | 28700 |
|                | Watts                       | 4650  | 4760  | 4870  | 4980  | 5090  | 5200  | 5310  |
|                | Amps                        | 14.1  | 14.4  | 14.6  | 14.9  | 15.1  | 15.4  | 15.7  |
|                | Lb/h                        | 657   | 625   | 593   | 561   | 529   | 497   | 465   |

|    |       |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|-------|
| 25 | Btu/h | 59900 | 55600 | 51200 | 46800 | 42400 | 38000 | 33600 |
|    | Watts | 4840  | 4980  | 5130  | 5280  | 5420  | 5570  | 5710  |
|    | Amps  | 14.5  | 14.9  | 15.3  | 15.6  | 16.0  | 16.4  | 16.8  |
|    | Lb/h  | 740   | 708   | 675   | 643   | 610   | 577   | 544   |
| 30 | Btu/h | 68000 | 63200 | 58400 | 53700 | 48900 | 44100 | 39300 |
|    | Watts | 5030  | 5210  | 5400  | 5580  | 5760  | 5940  | 6120  |
|    | Amps  | 14.9  | 15.4  | 15.9  | 16.4  | 16.9  | 17.4  | 17.9  |
|    | Lb/h  | 832   | 799   | 766   | 733   | 699   | 665   | 632   |
| 35 | Btu/h | 76700 | 71600 | 66400 | 61300 | 56100 | 50900 | 45700 |
|    | Watts | 5220  | 5440  | 5660  | 5890  | 6100  | 6320  | 6540  |
|    | Amps  | 15.2  | 15.8  | 16.5  | 17.1  | 17.7  | 18.4  | 19.0  |
|    | Lb/h  | 931   | 898   | 865   | 831   | 797   | 762   | 728   |
| 40 | Btu/h | 86100 | 80600 | 75200 | 69600 | 64100 | 58500 | 52900 |
|    | Watts | 5410  | 5680  | 5940  | 6200  | 6450  | 6710  | 6960  |
|    | Amps  | 15.5  | 16.3  | 17.0  | 17.8  | 18.5  | 19.3  | 20.0  |
|    | Lb/h  | 1040  | 1010  | 971   | 937   | 903   | 868   | 833   |
| 45 | Btu/h | 96200 | 90400 | 84600 | 78700 | 72800 | 66800 | 60900 |
|    | Watts | 5610  | 5910  | 6210  | 6510  | 6810  | 7100  | 7390  |
|    | Amps  | 15.8  | 16.7  | 17.5  | 18.4  | 19.3  | 20.2  | 21.1  |
|    | Lb/h  | 1150  | 1120  | 1090  | 1050  | 1020  | 981   | 946   |
| 50 | Btu/h |       |       | 94700 | 88400 | 82200 | 75900 | 69600 |
|    | Watts | 5800  | 6140  | 6480  | 6820  | 7160  | 7490  | 7820  |
|    | Amps  | 16.0  | 17.0  | 18.0  | 19.0  | 20.1  | 21.1  | 22.1  |
|    | Lb/h  | 1270  | 1240  | 1210  | 1170  | 1140  | 1100  | 1070  |
| 55 | Btu/h |       |       |       | 98900 | 92300 | 85600 | 78900 |
|    | Watts | 5990  | 6380  | 6760  | 7140  | 7510  | 7890  | 8260  |
|    | Amps  | 16.1  | 17.3  | 18.5  | 19.6  | 20.8  | 21.9  | 23.0  |
|    | Lb/h  | 1400  | 1370  | 1340  | 1300  | 1270  | 1230  | 1200  |

| COEFFICIENTS | CAPACITY      | POWER         | CURRENT       | MASS FLOW     |
|--------------|---------------|---------------|---------------|---------------|
| C1           | 5.018628E+04  | 4.249457E+03  | 1.404744E+01  | 6.377886E+02  |
| C2           | 1.419799E+03  | -2.588507E+01 | -9.078637E-02 | 1.036915E+01  |
| C3           | -2.435660E+02 | -3.824736E+00 | -2.337717E-02 | -2.928261E+00 |
| C4           | 1.436458E+01  | 6.240587E-02  | -6.567843E-04 | 1.594138E-01  |
| C5           | -7.627215E+00 | 7.501991E-01  | 2.497919E-03  | -1.108747E-02 |
| C6           | 1.415535E-02  | 1.059165E-03  | 2.533160E-06  | 2.021826E-04  |
| C7           | -1.906671E-02 | -1.426654E-03 | -3.412067E-06 | -2.723321E-04 |
| C8           | 1.886372E-02  | 1.411465E-03  | 3.375741E-06  | 2.694328E-04  |
| C9           | -5.341734E-03 | -3.996918E-04 | -9.559257E-07 | -7.629664E-05 |
| C10          | 2.558063E-04  | 1.914054E-05  | 4.577761E-08  | 3.653713E-06  |

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature